

INFORMATION TECHNOLOGY ASSOCIATION OF AMERICA

13•APR•06

Meeting the Challenges of
the New Digital World

Mr. Vernon Bettencourt

Deputy, Chief Information Officer/G-6

CALL TO DUTY: 230 Years of Service to Our Nation



Why a 500 Day Plan?

- **To achieve the Vision:**

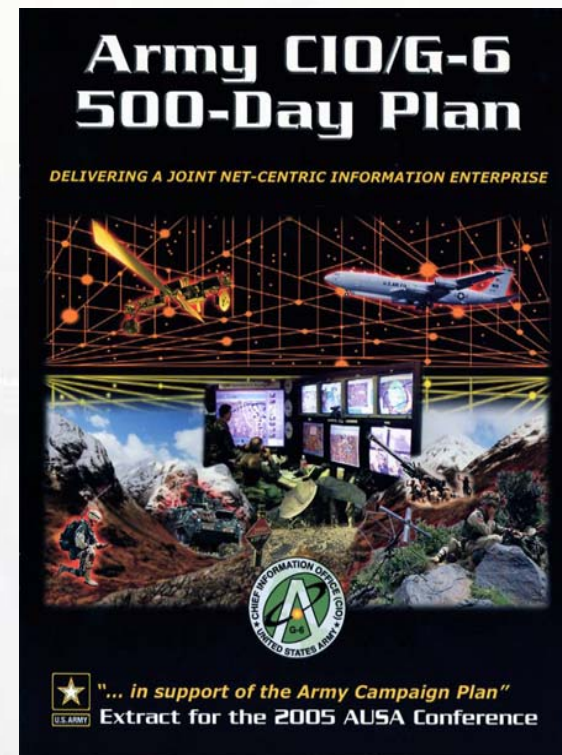
Deliver a joint net-centric information enterprise that enables warfighter decision superiority

- **To complete the Mission:**

Provide architecture, governance, portfolio management, strategy, command, control, communications, computers and information technology, acquisition oversight and operational capabilities to enable joint expeditionary net-centric dominance for the Army

- **To maintain the focus**

- ♦ We are an Army engaged in a Global struggle
...facing ever increasing complex irregular challenges
- ♦ The Challenge
...balance risk between current and future needs
...provide the best capability to our Soldiers



Goal 1

Develop and maintain a secure, seamless, interdependent LandWarNet Network



- Signal Restructure
- Network Architecture Development
- Army Implementation of DOD Net-centric Data Strategy
- CTSF – BC and BE Interoperability
- Development of Army Enterprise NetOps Integrated Architecture (AENIA)
- Installation Infrastructure Improvement (I3MP, Single DOIM, APCs, AD, Exchange 2003, MS Enterprise Licenses)
- IT/VI Metrics Program
- Joint Network Node (Systems Architecture, Regional Hubs, JIOC-I)
- DoD Teleport & Ka STARS
- SATCOM (Wide/Narrow Band, Airborne, MBCOTM, Protected SATCOM)
- SPECTRUM
- Future Combat Systems (JTRS, Land Warrior, WIN-T, JNMS)



Joint Network Nodes



Spiral 1 Division Set (FY04)



Spiral 2 - 4 Division Set (FY05)



Spiral 5 - 7 (FY06)

Division Set



55th/28th



Lot 8 (FY06/FY07)

- 7th Support Battalion
- 525th Battlefield Surveillance Brigade
- 63rd ITSB
- 1st Regional Hub (Kuwait)



LOTS 9 - N



Reset



- 2 Regional Hubs

Undefined NG Brigades





JNN in Action



JNN Katrina



Tactical Satellite Communications



The Joint Model - Everything over IP



- **FIRST ...** the Joint Special Operations Command - Fort Bragg
- **THEN** the Joint Communications Support Element - MacDill AFB
 - Iraq
 - Afghanistan
- **NOW!!!**



- **Everything over Internet Protocol**
 - Scalable
 - Flexible
 - Efficient
 - Less cost, smaller footprint, less people.
 - EoIP will converge & reduce training requirements

Current Circuit Based & Telephony Capability



Everything Over IP (EOIP) Refit



JOINT COMMUNICATIONS SUPPORT ELEMENT

To address inefficiencies of traditional bandwidth allocations.....migrate everything to EoIP



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Central Technical Support Facility



Fort Hood, Texas

30 Nov 05
CTSF OPCON
/ TECHCON to
CIO/G-6



All Army
Systems!

Working
our way
through
it...

Collaborative
Tool....Best of
Breed

**Achieving
Service
Joint & Coalition
Interoperability**

“Brings Together in one Place”

- Soldiers
- Industry
 - Software Programmers
 - Technicians
- Test Community
- Trainers
- Warfighter Systems



I3MP Restructure



- **Was** – Installation and generating force centric
 - Local Area Network
 - Telephone
 - DISN Connection
 - Outside Cable Plant – Fiber based
- **Is NOW** – *Operational Force and Enterprise centric*
 - Expand to training ranges, motor pools, HSOC, SIPRNET to Battalion, etc
 - Focus on transformation and BRAC/IGPBS
 - Build Area Processing Centers, Exchange 2003 hubs, Directory Service, etc.
 - Converge on IP.....VTC/Video/Voice over IP
 - Implementing wireless... optics....
 - Thin client

Installation Modernization

\$4 Billion Installation Modernization (IMOD) Contract for DOD wide installation- level information infrastructure around the world.

**To Award in
3QTR
FY06**

- Replaces the Digital Switched Systems Modernization Program (DSSMP) Contract
- Seamlessly integrates voice, data, outside cable plant and transmission products and services



Lead enterprise integration to achieve decision superiority by transforming processes, applications and data into network-centric capabilities across the Army.

- Army Mission Area Domain Architecture Development

- Community of Interest Development

- Enterprise Governance

- ...AKM Memoranda

- ...Clinger-Cohen Act Assessments

- Army Knowledge Online/AKO-FWD

- Enterprise Solutions Competency Center

- Portfolio Management (PfM)





Army Governance Structure



Army Alignment with GIG ES Governance

Business Mission Area (BMA)

Army Lead: DUSA

Governance

Acquisition

Army Lead: ASA(ALT)

Financial Management

Army Lead: ASA(FM&C)

Human Resource Management

Army Lead: ASA(MR&A)

Logistics

Army Lead: ASA(ALT)

Installations & Environment

Army Lead: ASA(I&E)

Civil Works

Army Owner: ASA(CW)

Warfighting Mission Area (WMA)

Army Lead: G-3/5/7

Governance

Battlespace Awareness

Army Lead: G-2

Force Application

Army Lead: G-8

Force Protection

Army Lead: G-8

Focused Logistics

Army Lead: G-4

Net Centric

Army Lead: CIO/G-6

Force Management

Army Lead: G-3/5/7 / FM

Training

Army Lead: G-3/5/7 / TR

Command & Control

Army Lead: G-3/5/7 / SB Lead

Defense Intelligence Mission Area (DIMA)

Army Lead: G-2

Governance

Domains TBD

Enterprise Information Environment Mission Area (EIEMA)

Army Lead: CIO/G-6 (GA&CKO)

Governance

Communications

Army Lead: CIO/G-6 (AONS)

Computing Infrastructure

Army Lead: CIO/G-6 (AONS)

Core Enterprise Services

Army Lead: CIO/G-6 (GA&CKO)

Information Assurance

Army Lead: CIO/G-6 (GA&CKO)

4 Mission Areas:
- 18 Domains

OPTIMIZING ERP EFFORTS ACROSS THE ARMY ENTERPRISE

Financial Management



Single Army General Ledger
\$Transparency; Clean Audit

Human Resources

DIMHRS



Take Better Care of Soldiers
- MilPay, Career Mgmt, etc.

ERP TWG

IT PfM

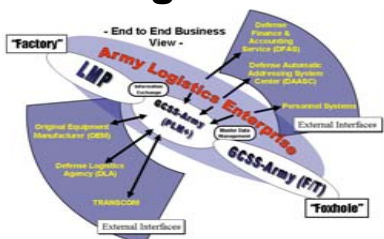
ESCC

Warfighter
Support

PM SALE

ERP OIPT

Logistics



GCSS-A & LMP

The Business
Enterprise is Bigger
Than Army.

ERP TWG – ERP Technical Working Group

PM SALE – Single SES level Program Manager for most Army ERP Programs

ERP OIPT – ERP Overarching Integrated Process Team

ESCC – Enterprise Solution Competency Center (ERP center of Excellence)

IT PfM – Information Technology Portfolio Management

Call to Duty...230 Years of Service To Our Nation

- Senior Army and DISA leaders see an opportunity for synergy and quick success.

"DISA...wants to turn AKO into a department wide Web portal for accessing the Army's, DISA's and potentially other services' products."
FCW 21 Nov 05



LTG Croom "The military can no longer afford to lumber its way through software acquisition."

- AKO and DISA personnel create, provision, deploy and support a new portal to serve as the portal for NCES; known as "DKO" or "DOL"
 - ✓ Single entry point - Subordinate layers for each service
 - ✓ Implemented on AKO hardware/software and technically managed by the Army Project Office
 - ✓ Supports future integration of NCES services as they come online
 - ✓ Managed by a Joint Board of Directors, initially chaired by the Army



Protect and defend the Army's systems, networks, and information.

- Army IA Policy Compliance
- Cryptographic Modernization Program
- FISMA
- Electronic Key Management System
- Information Systems Protection Solutions Development
- IA Tools & Processes (eYe Retina, Hercules, Reverse Web Proxy, Firewalls, Army Web Risk Assessment Team)
- CAC PKI and eGov (HSPD-12, CAC/PKI Logon/DoD PKI Architecture, Digital Signature Capability)
- DoD Biometrics Enterprise Management (Strategy, Policy, Architecture, Requirements Development & Operations (ABIS, BISA))





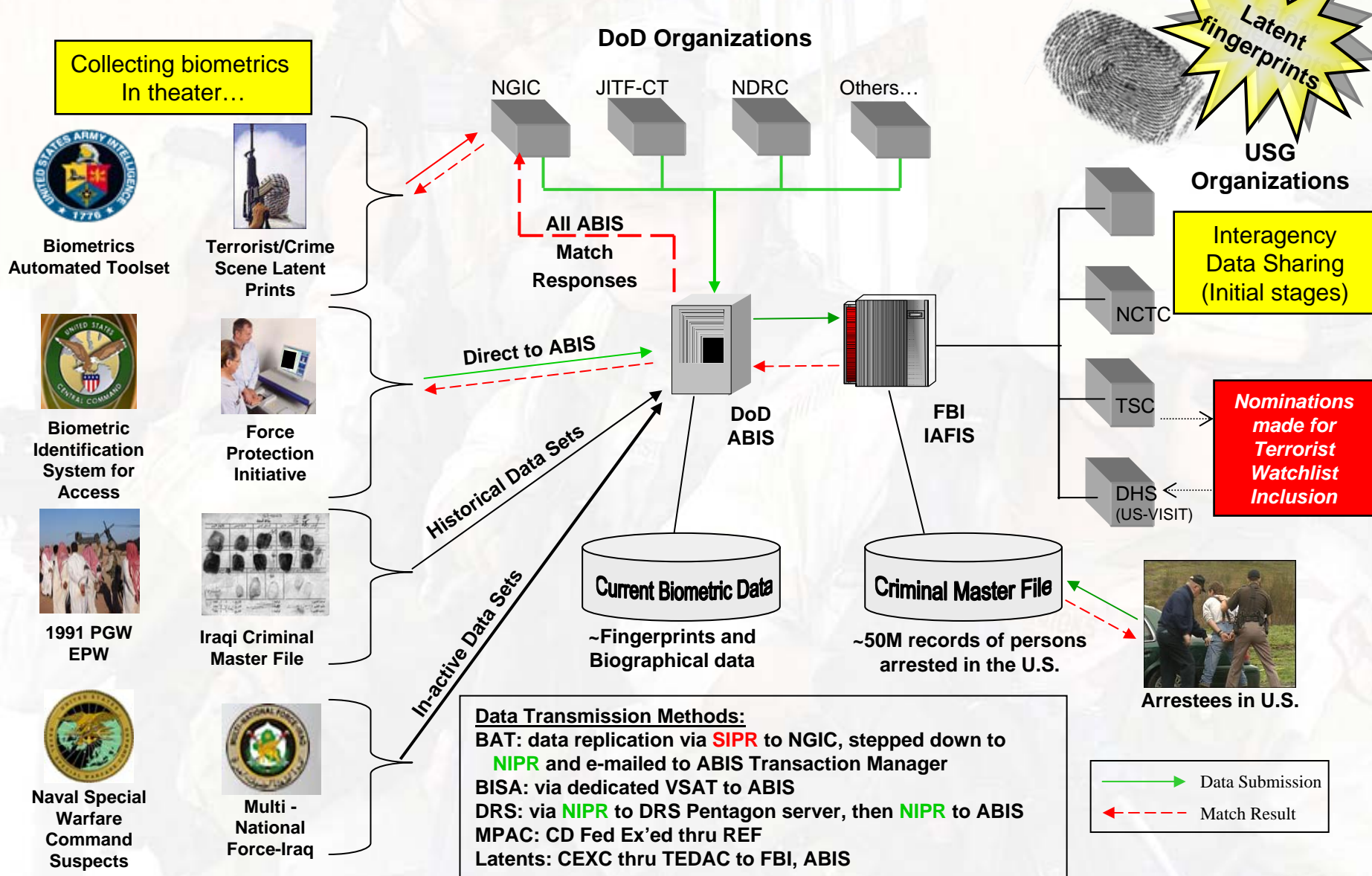
The CCL checklist



<input checked="" type="checkbox"/>	CCL Implementation Plan	27 Feb
<input checked="" type="checkbox"/>	Complete JTF-GNO Sys Admin training	28 Feb
<input checked="" type="checkbox"/>	Commence Army-wide training	28 Feb
<input checked="" type="checkbox"/>	CCL Technical guidance released	1 Mar
<input checked="" type="checkbox"/>	5% of Army users CCL-enabled	3 Apr
<input type="checkbox"/>	20% of Army users CCL-enabled	17 Apr
<input type="checkbox"/>	50% of Army users CCL-enabled	1 May
<input type="checkbox"/>	100% of Army users CCL-enabled	15 May
<input type="checkbox"/>	Report users/systems unable to CCL-enable	15 May
<input type="checkbox"/>	Draft Signing & encryption guidance	31 May
<input type="checkbox"/>	Turn off Username/Password	30 Jun
<input type="checkbox"/>	Plan for migration of OWA to support CCL	31 Jul



DoD Biometrics Executive Agent



Goal 4

Ensure Army information management and information technology investments maximize Joint and Army capabilities

- Implementation of Portfolio Management (PfM) Tool
- Army Information Technology Budget
- Domain & Capital Planning Integration
- Add C4IM COTS to MTOE/TOE/TDA
- IT Purchasing Pamphlet
- Monitoring of Army Purchases of Non-Pre-approved IT Equipment
- AKM Goal 1 Waiver Process
- **Enterprise licensing/purchasing**



**Each Portfolio Area contains at least three investment areas, covering all CIO MDEPs*

Information Technology Enterprise Solutions –Services (ITES-2S) **\$20B over 9-years**



**Provides Army Enterprise Infrastructure and
Infostructure Services World-wide to support
Command, Control, Communications, Computers,
and Information Management (C4IM)**

Projected Award – Mid April 2006

Information Technology Enterprise Solutions

-Hardware (ITES-2H)

-IDIQ Contract

Valued at \$10B over 10-years



**Purchase or lease network environment products,
including servers, workstations, Thin-clients,
storage systems, networking & communications
Equipment, VTC solutions & more**



Projected award – July 2006

Army Desktop & Mobile Computing (ADMC-2)

ID/IQ Contract

Valued at \$5B over 10-years



Life-cycle
sales of
\$1.5B

For desktops, notebooks, tablets, PDAs,
printers, digital cameras,
projectors & peripherals

Projected
Award
Apr 06

The first Army
Consolidated
Buy resulted in
Army Cost
Avoidance of
\$13.6M



Infrastructure Modernization (IMOD)

\$4B over 10-years



**Digital voice and data network switching
systems/equipment & turn-key solutions in
support of the Installation
Information Infrastructure Program (I3MP)**

**Contract award
April 2006**

World Wide Satellite Systems (WWSS)

\$5B over 5-years



**Provide turn-key solutions for
world-wide commercial satellite communications
systems and services for DoD and other government
agencies**



**Contract award
3d Quarter FY 2006**





Goal 5



Develop the Army's information technology and information management knowledge and skills to support mission needs.

- IT Management – Civilian Career Program 34
- IM/IT Competencies
 - ◆ PDP Campaign
 - ◆ Course Development on NSPS Cornerstones
 - ◆ Development of Certification Programs
- Army Knowledge Leaders Program
- **Army e-Learning Program Development**
- CIO Knowledge Management Training Development (Enterprise Architecture Course)
- **Support SIGCEN – LandWarNet University**





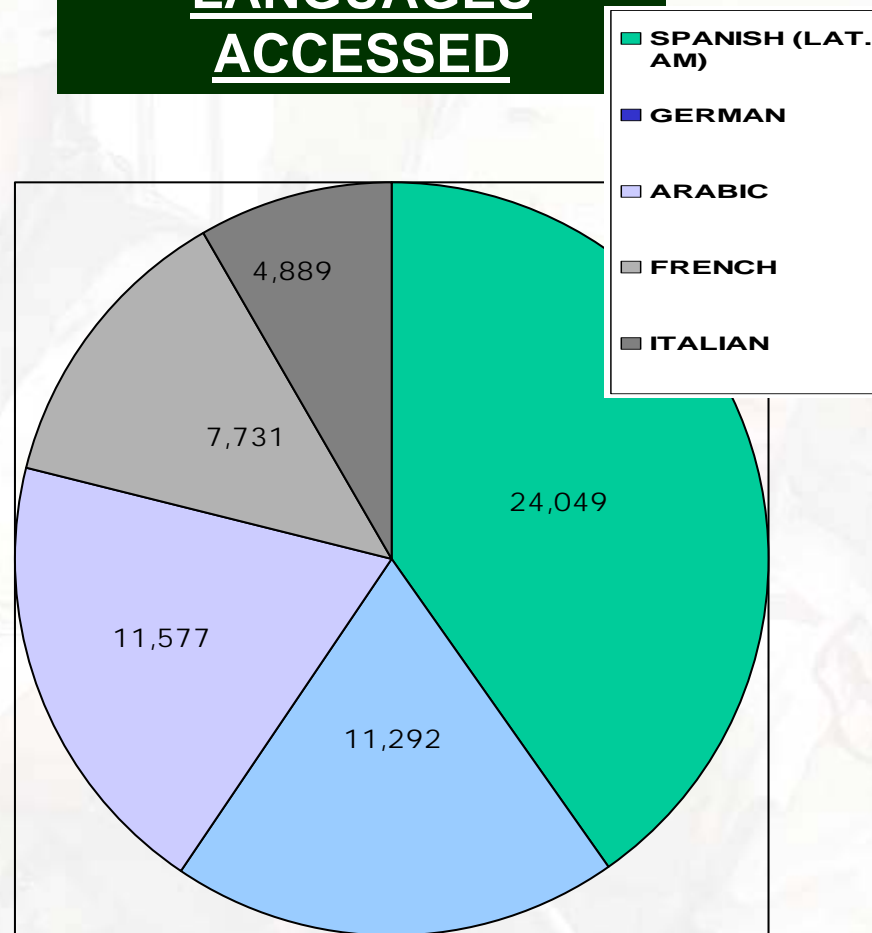
Army e-Learning Program



MOST POPULAR COURSES COMPLETED

Course Title	<u># of Courses Completed (CUM)</u>
U.S. Army Information Assurance Awareness	16,643
Rosetta Stone Spanish (Lat. Am) Unit 01	10,208
Windows XP: Fundamentals	4,577
Encryption Technologies	4,107
Operating Systems and TCP/IP	4,098
TCP/IP	4,003
Identifying, Adding, and Removing System Components	3,566
Rosetta Stone Arabic Unit 01	1,482
Accounting Fundamentals	711

TOP FIVE LANGUAGES ACCESSED





LandWarNet University



\$5.2M applied to:

- 6 Modular Classrooms
- New Courseware
 - ✓ SATCOM & Multi-channel transmission
 - ✓ Network & Nodal Management
 - ✓ Officer & WO courses

\$19.3M applied to future training

- JNN CBT
- Ku Trailer CBT
- Switch Operator (25F)
- Transmission Operator (25Q)





Goal 6



Deliver an integrated enterprise strategy that influences Joint and Army use of information management and information technology in furthering the warfighting capabilities.

- Alignment of the Army IM & IT strategy with Army, Joint, Interagency, Multinational (JIM), DOD strategic plans
- Effectively communicate the IM & IT strategy to the Force
- Lead the Army CIO/G-6 Business Transformation Initiative (Lean Six Sigma)
- Lead the Army CIO/G-6 Performance Management Process (Strategic Readiness System/Balanced Scorecard)





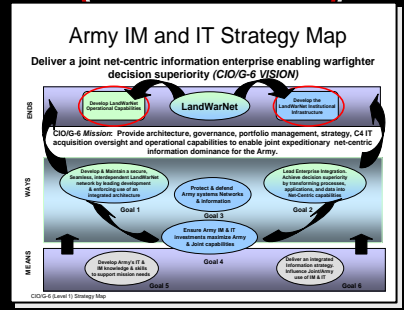
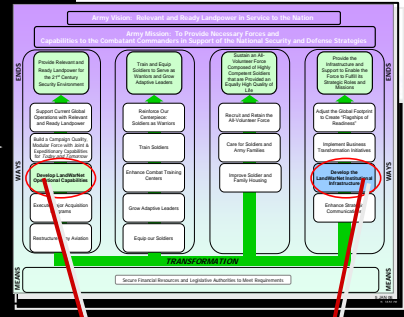
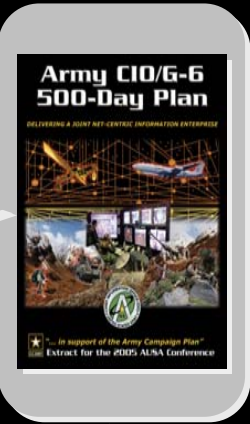
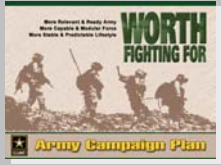
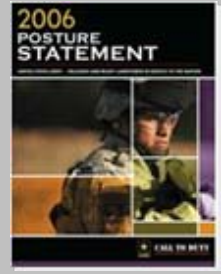
Strategy Execution, Measurement & Performance Improvement Summary

“What you measure is what you get---what you reward is what you get.”
- Jack Welch

Metrics



“Are we measuring and rewarding the specific behavior we want?”
- Jack Welch

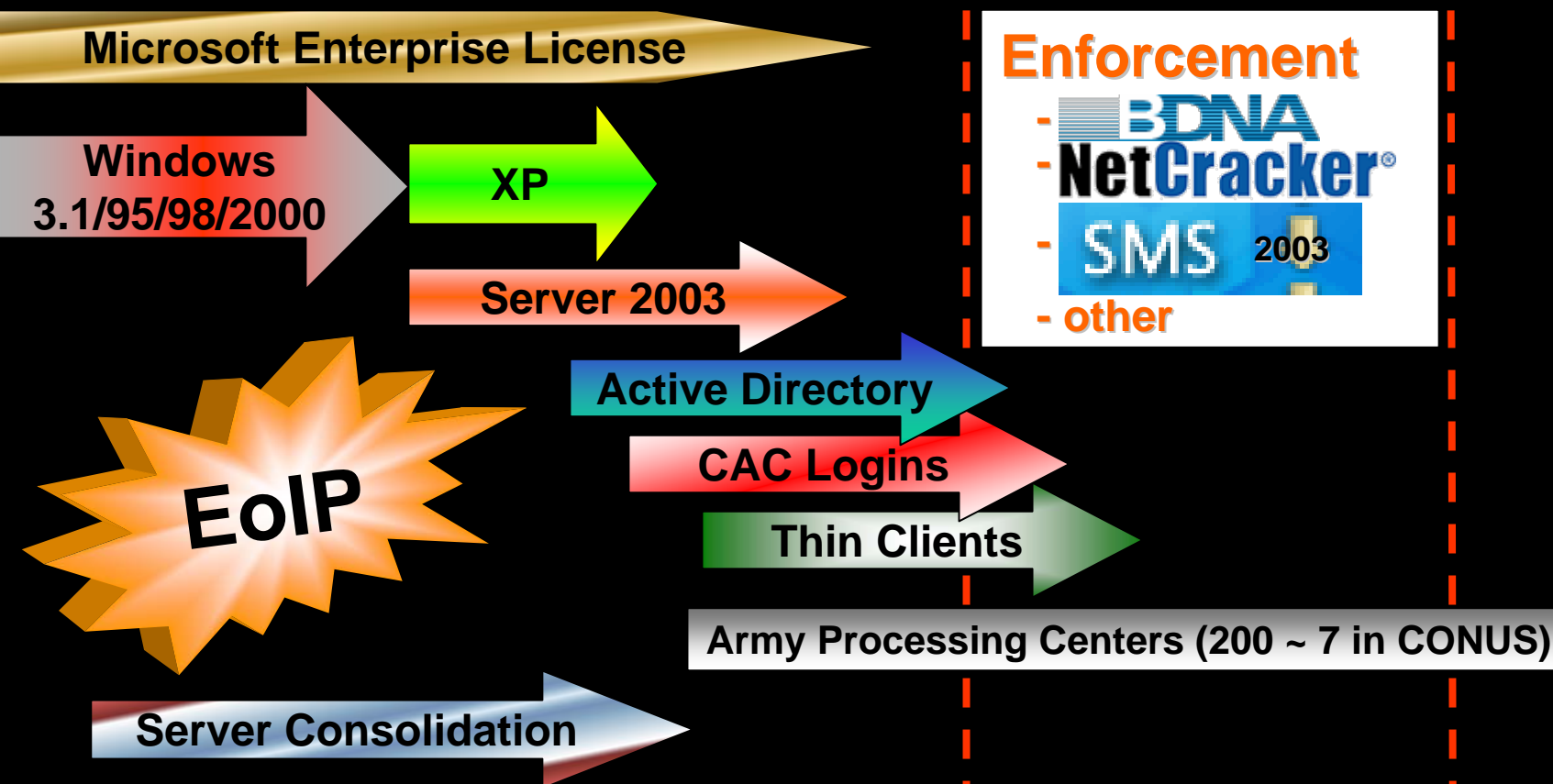


Performance Improvement

Continuous Process



Major Accomplishments / Objectives



20 JUL 2005 AKM Guidance Memo-IT Portfolio Governance
(80% reduction of redundant / stove-piped IT investments)
30 NOV 2005 CIO/G-6 OPCON/TECHCON of CTSF

QUESTIONS & THOUGHTS



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CALL TO DUTY: 230 Years of Service to Our Nation

